Issue date: 26 March 2025
Valid Until: -

NO: SAMM 390

LABORATORY LOCATION/ CENTRAL OFFICE:	AD Tech Metrology Sdn Bhd No 54 (Ground Floor) Jalan Anggerik Vanilla Z 31/Z, Section 31, Kota Kemuning, 40460 Shah Alam, Selangor , 40460, SELANGOR MALAYSIA
ACCREDITED SINCE :	26 MARCH 2025
FIELD(S) OF CALIBRATION:	DIMENSIONAL PRESSURE

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

*** The uncertainty covered by the CMC is expressed as the expanded uncertainty corresponding to a coverage probability of approximately 95 % and have a coverage factor of k=2 unless stated otherwise.**

CENTRAL LOCATION	AD Tech Metrology Sdn Bhd No 54 (Ground Floor) Jalan Anggerik Vanilla Z 31/Z, Section 31, Kota Kemuning, 40460 Shah Alam, Selangor , 40460, Selangor
FIELD(S) OF CALIBRATION :	DIMENSIONAL, PRESSURE

SCOPE OF CALIBRATION : DIMENSIONAL

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
(electronics Linear	Resolution 0.01 mm	0.012 mm	procedure
(length Only)	50 mm	0.0021 mm	procedure
	300 mm to 600 mm	5 yum	block as standard
	300 mm to 600 mm	5 yum	block as standard
	300 mm to 600 mm	5 yum	block as standard
	300 mm to 600 mm	5 yum	block as standard
	300 mm to 600 mm	5 yum	block as standard
	300 mm to 600 mm	5 yum	block as standard
Caliper	0 mm to 200 mm	0.012 mm	Calibration

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
	200 mm to 450 mm	None	Gauge Blocks
	0 mm to 1,000 mm	7.5 ym	Calibrated using
	0 to 300 mm	0.02 mm	Calibrated using
	Up to 150 mm	0.01 mm	checkers as
	0 mm to 600 mm (Internal Measurement) 0 mm to 600 mm (External Measurement	0.01 mm 0.01 mm	Calibrated using Caliper Checker with reference to BS 887:2008
	0mm to 300 mm 301 mm to 600 mm (Internal Measurement)	0.01 mm 0.02 mm	Calibrated using Caliper Checker with reference to BS 887:2008
	0 mm to 600 mm (Internal Measurement) 0 mm to 600 mm (External Measurement	0.01 mm 0.01 mm	Calibrated using Caliper Checker with reference to BS 887:2008
	0mm to 300 mm 301 mm to 600 mm (Internal Measurement)	0.01 mm 0.02 mm	Calibrated using Caliper Checker with reference to BS 887:2008
	0.01 mm to 300 mm 300 mm to 600 mm 600 mm to 1000 mm	9um 12 um	Gauge Block Caliper Checker
	0 mm to 150 mm 0 mm to 200 mm 0 mm to 300 mm 0 mm to 450 mm 0 mm to 600 mm	11 um 12 um 13 um	Calibrated using Gauge Blocks as standards with reference to ISO 13385: 2011
	None	None	gauge block as
	350 mm to 450 mm	13 um	using Caliper
	External measurement	None	Calibrate using
	0 mm to 300 mm	0.01 mm	gauge blocks as
	300 mm to 600 mm	0.02 mm	standards based on
	Internal measurement	None	JIS B 7507:2016
	0 mm to 300 mm	0.01 mm	Partial
	0 mm to 300 mm	None	Measuring face
	0 mm to 300 mm	None	contact error
	0 mm to 300 mm	None	Repeatability of
	0 mm to 300 mm	None	partial
	0 mm to 300 mm	None	measuring face
	0 mm to 300 mm	None	contact error
	0 mm to 300 mm	None	Parallelism of
	0 mm to 300 mm	None	jaws

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
	0 mm to 300 mm	None	Full measuring
	0 mm to 300 mm	None	face contact
	0 mm to 300 mm	None	error
	0 mm to 300 mm	None	Scale shift error
	Omm to 300mm	6 um	Calibrated using caliper
	Omm to 300mm	None	checker and gauge
	300mm to 600mm	None	block with reference to
	300mm to 600mm	None	JIS B 7507:2016
	Up to 300 mm 300 mm to 1000 mm 1000 mm to 2000 mm	17 um 27 um	Calibrated using Gauge Block.with reference to ISO 13385-1:2019
	0 ~ 300 mm	0.02 mm	reference to BS
	0.01 mm to 600 mm	10 um	Caliper Checker JIS B 7507
Dial Gauge	0to5mm	None	Calibration
	0mm to 50 mm	1.5 um	Dial Gauge
	0.001 to 1mm 0.01 mm	0.0007 mm 0.005 mm	using digital gauge tester as standards according to
	0mm to 15 mm	0.004 mm	Calibrated using Dial Gauge Tester with reference to JIS B 7503:1997
	0mm to 15 mm	0.004 mm	Calibrated using Dial Gauge Tester with
	0mm to 15 mm	0.004 mm	Calibrated using Dial Gauge Tester with reference to JIS B 7503:1997
	0mm to 15 mm	0.004 mm	Calibrated using Dial Gauge Tester with
	Up to 50 mm	3.0 um	reference standard
	Up to 50 mm	3.0 um	reference standard
	Up to 50 mm	3.0 um	Calibrated by Sylvac digital probe as reference standard
	Up to 50 mm	3.0 um	reference standard
	Up to 50 mm	3.0 um	reference standard
	Up to 50 mm	3.0 um	reference standard
	Up to 50 mm	3.0 um	reference standard
	Up to 25 mm 25 mm to 50 mm	1.0 um 1.7 um	Calibrated by using dial gauge tester and micrometer head with reference to

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
	Up to 25 mm 25 mm to 50 mm	None	JIS B 7503:2011
	Up to 5mm 5mm to 20 mm	2.5 um 6.5 um	Calibrated by using gauge tester as standards with reference to JIS
	Up to 5mm 5mm to 20 mm	None	B7503:2017
	Up to 5mm 5mm to 20 mm	None	Measurement of error of
	Up to 5mm 5mm to 20 mm	None	indication and
	Up to 5mm 5mm to 20 mm	None	repeatability only.
	Up to 100 mm	(0.3 + 0.06 L) um	Calibration by laser
	Up to 100 mm	None	measurement system
	Up to 100 mm	is measurement length	with reference to
	Up to 100 mm	in unit meter	JIS B 7503
	Omm to 50mm	0.5 um	Calibrated using i-
	Omm to 50mm	None	Checker with reference
	Omm to 50mm	None	to JIS B 7503:2017
	Up to 25 mm	0.006 mm	Calibrated using
	Up to 25 mm	None	dial gauge tester
	Up to 25 mm	None	with reference to
	Up to 25 mm	None	JIS B 7503:
	Up to 25 mm	None	2017
	Up to 25 mm	None	Measurement of
	Up to 25 mm	None	Indication error
	Up to 25 mm	None	and repeatability
	Up to 25 mm	None	only.
	Up to 100 mm (resolution: 0.01 mm) Up to 5mm (resolution: 0.001 mm) Up to 5mm (resolution: 0.005 mm)	3 yum 0.4 um 2um	Calibrated by using i-checker as standards based on JIS B 7503:2017
	0mm to 50 mm	0.003 mm	B7503:2017 Calibrated by using
	0mm to 50 mm	None	Micrometer Head
	None	None	
	0mm to 10 mm 10 mm to 30 mm 30 mm to 75 mm	4.0 um 4.0 um 6.5 um	Comparison using calibration tester with reference to BS EN ISO 463 : 2006

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	25 mm to 50 mm 50 mm to 75 mm	1.9 um	micrometer head as standards according
	75 mm to 100 mm	2.2 um	to JIS B7503:2017
Dial Test Indicator	0 to 0.6 mm	None	Calibration
	0mm to 50 mm	1.5 um	Dial Gauge
	0mm to 0.14 mm 0.14 mm to 1 mm 1mm	0.9 um 1.2um 3.0um	Calibrated using Dial Gauge Tester as standards with reference to
	0mm to 0.14 mm 0.14 mm to 1 mm 1mm	None	ISO 9493:2010
	0mm to 1.6 mm	1.6 um	Comparison with gauge tester based on JIS B 7533:2015
	0mm to5mm	None	dial gauge calibrator as
	up to 1.6 mm	None	With reference to JIS B 7533: 2015 Dial Test
	Graduation: 0.01 mm/0.005 mm	2.5 um	Indicator by using Dial Indicator Tester/
	Graduation: 0.01 mm/0.005 mm	None	Universal Horizontal
	Graduation: 0.001 mm/0.002 mm	1.1 um	Metroscope/ Universal Dial Gauge Checker
	Up to 0.28 mm 0.28 mm to 0.6 mm 0.6 mm to 1.5 mm	1.5 um 1.8 um 5.0 um	Calibrated by using gauge block and dial gauge tester with reference to JIS B 7533:2015
	0mm to 1.5 mm	0.004 mm	Calibrated by
	0mm	None	Calibrated using gauge tester as standard with
	0mm	None	reference to JIS
	0mm	None	B7533:1990
	Up to 3 mm	(0.3 + 0.06 L) um	Calibration by laser
	Up to 3 mm	None	measurement system
	Up to 3 mm	is measurement length	with reference to
	Up to 3 mm	in unit meter	JIS B 7533
	Omm to 1.6mm	0.7 um	Calibrated using i-
	Omm to 1.6mm	None	Checker with
	Omm to 1.6mm	None	reference to JIS B
	Omm to 1.6mm	None	7533:2015

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	0mm to 0.28 mm 0.28 mm to 1.0 mm	10 um	Calibrate using Calibration Tester. with reference to JIS B 7533: 2015
	Up to 1mm	0.7 um	Calibrated by using i-checker as standards based on JIS B 7533:2015
	Up to 0.3 mm 0.3 mm to 0.6 mm 0.6 mm to 2.0 mm	1.4 um 1.5 um	Calibrate by using micrometer head as standards according to JIS B7533:2015
	Up to 0.3 mm 0.3 mm to 0.6 mm 0.6 mm to 2.0 mm	None	Calibrate by using
Dial Thickness Gauge	0mm to 50 mm	None	Calibration
	Up to 20 mm	1 um	Calibrated by using gauge block with reference to
	Up to 20 mm	None	JIS B 7503:2011
	Up to 20 mm	1 um	gauge block as standards according
	Up to 20 mm	None	to JIS B7536:1982
	Up to 25 mm	1.4 um	Calibrate by using
Digimatic Indicator	0 mm to 100 mm	None	Calibration
External Micrometer	25 mm Lead screw	None	Calibration
	None	None	
	None	None	
	None	None	gauge block and
	25 mm traverse	0.001 mm	as standard according
	0mm to 25 mm 50 mm 75mm 100 mm 125 mm 150 mm 175 mm and 200 mm 225 mm 250mm, 275 mm and 300 mm	1.1 um 1.2 um 1.3 um 1.5 um 1.7 um 1.9 um 2.4 um 2.4 um 4.0 um	Calibrated using Gauge Blocks as standards with reference to ISO 3611 2010
	0mm to 500 mm	um -˜L-™ in metre	Comparison with gauge block based on JIS B 7502:2016
	None	None	
	up to 50 mm travel with frame up to 300 mm	(0.81+0.012L) um	With reference to BS EN ISO 3611: 2010 by using Gauge Blocks
	Over 300 to up to 600 mm	(0.47+0.013L) um Where = nominal	
	(or inches equivalent)	length in mm	

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
	25 mm traverse	(0.81+0.012L) ym	Calibrated by
	25 mm travel range	0.001 mm	Calibrate using
	25 mm travel range	None	gauge blocks as
	Frame size	None	standards based on
	Up to 100 mm	0.002 mm	JIS B 7502:2016
	100 mm to 150 mm	0.003 mm	Full surface e
	150 mm to 200 mm	0.004 mm	contact error
	200 mm to 250 mm	0.005 mm	Flatness e
	250 mm to 300 mm	0.006 mm	Parallelism e
	325 mm to 350 mm	0.007 mm	
	350 mm to 400 mm	0.008 mm	
	400 mm to 500 mm	0.010 mm	Note: Standard rod
	400 mm to 500 mm	None	to be provided if the
	400 mm to 500 mm	None	measurement range
	400 mm to 500 mm	None	is > 25 mm
	25 mm 25 mm spindle travel for 50 mm to 100 mm 100 mm to 175 mm frame	1.0 um 1.5 um 2.0 um	Measurement of instrument error, and parallelism and flatness of measuring faces reference to JIS B7502:2016. Setting rod must be provided by customer.
	Up to 100 mm 100 mm to 275 mm	None	Calibrated by using gauge block as standards based on JIS B 7502:2016
	0~ 25mm	0.002 mm	Gauge Block reference to ISO
	100 mm to 150 mm frame (25 mm traverse)	None	Calibrated using Gauge Block according to
	100 mm to 150 mm frame (25 mm traverse)	None	ISO 3611:2010
	Up to 1 inch	0.0003 inch	
	1 inch to 6 inch frame (1 inch traverse)	0.0003 inch	
	Up to 50 mm	0.003 mm	
	50 mm to 150 mm	0.004 mm	Calibrated using Gauge
Feeler Gauge	0.01 mm to 1 mm	0.003 mm	JIS B 7524:2008
	0.01 mm to 10 mm	None	Calibrated using
	0.005 mm to 2.0 mm	None	Dig. Length Indicator
	Up to 1mm	2.5 um	Calibrated by Sylvac
	Up to 1mm	2.5 um	Calibrated by Sylvac

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	Up to 1mm	2.5 um	Calibrated by Sylvac
	Up to 1mm	2.5 um	Calibrated by Sylvac
	Up to 1mm	2.5 um	Calibrated by Sylvac
	Up to 1mm	2.5 um	Calibrated by Sylvac
	0mm to3mm	1.2 um	Calibrated using Linear Gauge as standards with reference to
	0mm to3mm	None	JIS B 7524:
	0mm to3mm	None	2008
	0.01 mm to 3 mm	0.61 um	Direct measurement with micrometer based on JIS B 7524:2008
	0.01 mm to 1 mm	2.2 um	Calibrated by using Digital Micrometer with reference to
	0.01 mm to 1 mm	None	BS 957:2008
	0mm to3mm	0.0009 mm	Calibrated by
	0.005 mm to 3 mm	1.8 um	Calibrated using digital displacement indicator as standard with reference to
	0.005 mm to 3 mm	None	JIS B7524:2008
	0.05 mm to 1.0 mm	None	Calibrate using Mu Checker. with reference to JIS B 7524: 2008
Gauge	1 mm to 100 mm	0.0021 mm	procedure CP-
	Up to 50 mm	Where = nominal	using Bench
	(at designated length	None	Gauge Block
	1 kgf to 3 kgf	0.005 kgf	poise weights.
	3 kgf to 50 kgf	0.01 kof	Calibrations may be
	50 kgf to 100 kgf	0.1 kof	given in other units
	50 kgf to 100 kgf	None	by conversion from
	50 kgf to 100 kgf	None	SI units.
Gauge (diameter Only)	None	None	procedure
Gauge)	Resolution 0.001 mm	0.003 mm	CP-006 with
	only)	None	2618: 2005 Part
Height Gauge	0 mm to 300 mm	0.013 mm	Calibration
	450 mm to 600 mm	8 um	Gauge Blocks
	0mm to 600 mm	0.01 mm	Calibrated using Caliper Checker with reference to BS 1643:2008

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
	0mm to 300 mm 301 mm to 600 mm	0.01 mm 0.02 mm	Calibrated using Caliper Checker with reference to
	0mm to 600 mm	0.01 mm	Calibrated using Caliper Checker with reference to BS 1643:2008
	0mm to 300 mm 301 mm to 600 mm	0.01 mm 0.02 mm	Calibrated using Caliper Checker with reference to
	0.01 mm to 600 mm	10 um	Caliper Checker
	Up to 300 mm	3.5 um	Calibrated using gauge
	Up to 300 mm	3.5 um	Calibrated using gauge
	Up to 300 mm 300 mm to 600 mm	3.5 um 5.5 um	Calibrated using gauge block as standard JIS B 7517: 1993
	Up to 300 mm	3.5 um	Calibrated using gauge
	Up to 300 mm	3.5 um	Calibrated using gauge
	Up to 300 mm	3.5 um	Calibrated using gauge
	Up to 300 mm	3.5 um	Calibrated using gauge
	0 mm to 300 mm 300 mm to 450 mm 450 mm to 600 mm	4.4 um 5.6 ym 6.9 um	Calibrated using Gauge Blocks as standards with reference to ISO 13225:
	0 mm to 300 mm 300 mm to 450 mm 450 mm to 600 mm	None	2012
	0 mm to 300 mm	None	Calibrated using gauge block as standards based
	Up to 300 mm 300 mm to 600 mm	0.007 mm 0.008 mm	Calibrated by using caliper checker & dial test indicator and standard square with reference to
	Up to 300 mm 300 mm to 600 mm	None	JIS B 7517:1993
	0 mm to 600 mm	None	using Caliper

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
	Up to 600 mm	Where = nominal length	using Gauge
	Up to 600 mm	Where = nominal length	using Gauge
	up to 600 mm	20 um	Measurement of instrument error and
	up to 600 mm	None	parallelism of reference surface with measuring surface of scriber
	up to 600 mm	None	reference to JIS
	up to 600 mm	None	B7517:2018
	Up to 300 mm	(1.8 + 0.009 L) um	Calibration by gauge
	Up to 300 mm	is length in mm	block and precision
	Up to 300 mm	None	square with reference
	Up to 300 mm	None	to BS EN ISO 13225
	Omm to 600mm	8 um	Calibrated using caliper
	Omm to 600mm	None	checker and gauge
	Omm to 600mm	None	block with reference to
	Omm to 600mm	None	JIS B 7517:2018
	Up to 300 mm 300 mm to 1000 mm	6 um 13 um	Calibrated using Gauge Block, L-square and Dial Gauge. with reference to ISO 13225:2012
	Up to 150 mm 150 mm to 300 mm 300 mm to 600 mm	8 um 12 um	Calibrated by using caliper checker and gauge block as standards based on JIS B 7517:2018
	0mm to 300 mm 300 mm to 600 mm	11 um	caliper checker, gauge block and dial test indicator as
	0mm to 300 mm 300 mm to 600 mm	None	standards according
	0mm to 300 mm 300 mm to 600 mm	None	to JIS B7517:2018
	0mm to 300 mm 300 mm to 600 mm	None	Calibrate by using
	0 mm to 300 mm 300 mm to 600 mm	11 um	gauge block and dial test indicator as standards according
	0 mm to 300 mm 300 mm to 600 mm	None	to JIS B7517:2018

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	0 inch to 6 inch	0.0003 inch	according to BS EN ISO 13225:2012
	Up to 25 mm	None	
	25 mm to 100 mm frame (25 mm traverse)	None	
Micro Indicator	-0.025 mm to +0.025	None	JIS B 7519:1994
Parallel Thread Plug	Major Diameter	None	Calibration
Pin Gauge/ Plain Plug	0.01 mm to 50 mm	0.0021 mm	Calibration
Standard Rod	25mm	0.0021 mm	Calibration
	Up to 300 mm	None	Calibrated using gauge
	Up to 300 mm	None	Calibrated using gauge
	Up to 300 mm	None	Calibrated using gauge
	Up to 300 mm	None	Calibrated using gauge
	Up to 300 mm	None	Calibrated using gauge
	Up to 300 mm	None	Calibrated using gauge

SCOPE OF CALIBRATION : PRESSURE

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
(hydraulic Medium)	None	None	CP-012 with
	800 psi to 16000 psi	0.03 % of Reading	Comparator as a Standard
(pneumatic Medium)	None	None	CP-012 with
	None	None	
	None	None	
	None	None	EURAMET cg-
	Up to 20 bar	0.015 bar	based on BS EN 837-
	Up to 20 bar	None	1:1998, BS EN 837-
	Up to 20 bar	None	3:1998, Euramet Cg-
	Up to 20 bar	None	17 version 4.0
	Up to 20 bar	None	
Device	None	None	procedure
	None	None	procedure
	None	None	
	0 bar to 20 bar	50 mbar	Pressure
	None	None	Temperature
	None	None	electrical
	None	None	electrical
	600 psi to 6000 psi	8 psi	Pressure sensor
	600 psi to 6000 psi	8 psi	Pressure sensor
	600 psi to 6000 psi	8 psi	Pressure sensor
	600 psi to 6000 psi	8 psi	Pressure sensor
	600 psi to 6000 psi	8 psi	Pressure sensor
	600 psi to 6000 psi	8 psi	Pressure sensor
	600 psi to 6000 psi	8 psi	Pressure sensor
	600 psi to 6000 psi	8 psi	Pressure sensor
	None	None	
	None	None	
	None	None	
	0 to 16000 psi	None	Dead Weight
	0 to 16000 psi	None	Tester with
	0 to 16000 psi	None	reference to
	0 to 16000 psi	None	BS EN 837-1:1998
	0 to 16000 psi	None	BS EN 837-2:1998
	0 to 16000 psi	None	BS EN 837-3:1998
	None	None	pressure calibrator
	-500Pa to +500PaNone -500Pa to +500Pa	-500Pa to +500Pa	comparison method

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Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
	-10000Pa to +10000Pa10Pa -10000Pa to +10000Pa	-10000Pa to +10000Pa	with reference to
	-10000Pa to +10000PaNone -10000Pa to +10000Pa	-10000Pa to +10000Pa	EURAMET Guide17
	None	None	
	None	None	
Pressure Measuring	0 to 2500 bar	3.3 bar	Calibration
	0 to 60 bar	0.2 bar	Calibration
	None	None	
	-700 mbar to 700 mbar	1.7 mbar	Calibrated using
	0 bar to 30 bar	11 mbar	Calibrated using
	None	None	Calibrated using
	30 psi to 600 psi	0.8 psi	
	30 psi to 600 psi	0.8 psi	
	30 psi to 600 psi	0.8 psi	
	30 psi to 600 psi	0.8 psi	
	30 psi to 600 psi	0.8 psi	
	30 psi to 600 psi	0.8 psi	
	30 psi to 600 psi	0.8 psi	
	30 psi to 600 psi	0.8 psi	
	None	None	
	None	None	
	None	None	
	None	None	
	15 psi to 1000 psi	0.3 psi	Calibrate using dead
	0 psi to 1000 psi	5 psi	standards based on DKD-R 6-1
	0 to 16000 psi	0.03 % of reading	Calibrated using
	None	None	Calibrated using
	-500Pa to +500Pa2Pa -500Pa to +500Pa	-500Pa to +500Pa	Calibration by
	None	None	
	Up to 600 bar	None	on 837-1:1998, BS
	None	None	
	None	None	